

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 3, 6, 9-11, 15, 16, 18, 19, and 21-24 of the Application as follows, and cancel Claims 5, 7, 8, and 14 of the Application, without prejudice or disclaimer to continued examination on the merits:

Claim 1. (Currently Amended)

A low radio frequency emissions network device, comprising:

a chassis;

a network device component disposed within said chassis, said network device components emitting electromagnetic interference; ~~and~~

a layer of foam; having a high predetermined insertion loss in the frequency range of electromagnetic interference; disposed on at least a portion of a surface of said network device, ~~the~~ said layer of foam substantially covering ~~the~~ an inner surface of ~~the~~ said chassis,

wherein said layer of foam being ~~is~~ disposed in proximity to ~~at least one of~~ said ~~electromagnetic interference-generating~~ network device components,

wherein said layer of foam is approximately .25 inches in thickness, absorbs electromagnetic interference, and prevents ~~at least some of the~~ a predetermined amount of electromagnetic interference from exiting said chassis and ~~prevents at least some of the interference from~~ interfering with said network device,

wherein said layer of foam is doped to increase the insertion loss of said layer of foam in the 1-10 GHz range,

said network device components comprising at least one integrated circuit emitting electromagnetic interference, said at least one integrated circuit having a heat sink, wherein said layer of foam is disposed directly on top of said heat sink; ~~and~~

a Faraday cage, wherein said layer of foam is provided outside of said Faraday cage.

Claim 2. (Canceled)

Claim 3. (Currently Amended)

A low radio frequency emissions network device according to claim 1, wherein the network device component ~~includes~~ comprises an electronic components.

Claim 4. (Original)

A low radio frequency emissions network device according to claim 1, wherein said network device is a network device operating in the 1-10 GHz range.

Claim 5. (Canceled)

Claim 6. (Currently Amended)

A low radio frequency emissions network device according to claim 1, wherein said chassis further ~~comprising~~ comprises a door, wherein said layer of foam is provided at least on a portion of said door of said chassis.

Claim 7. (Canceled)

Claim 8. (Canceled)

Claim 9. (Currently Amended)

A low radio frequency emissions network device according to claim 7 ~~1~~, wherein said chassis further ~~comprising~~ comprises a door, wherein said layer of foam is provided at least on a portion of said door of said chassis outside said Faraday cage.

Claim 10. (Currently Amended)

A low radio frequency emissions network device according to claim 3, wherein said electronic components ~~comprising~~ comprises at least one integrated circuit, wherein said layer of foam is provided at least on top of said at least one integrated circuit.

Claim 11. (Currently Amended)

A low radio frequency emissions network device according to claim 3, wherein said electronic components ~~comprising~~ comprises at least one integrated circuit running at a clock speed of 1-10 GHz, wherein said layer of foam is provided at least on top of said at least one integrated circuit running at a clock speed of 1-10 GHz.

Claim 12. (Canceled)

Claim 13. (Canceled)

Claim 14. (Canceled)

Claim 15. (currently amended)

A low radio frequency emissions network device according to claim 1, wherein said layer of foam is doped with carbon to increase the insertion loss of said layer of foam in the 1-10 GHz range.

Claim 16. (Currently Amended)

A low radio frequency emissions network device according to claim 1, wherein said chassis further ~~comprising~~ comprises a door, said layer of foam being disposed in a first location on at least a portion of said door of said chassis,

wherein said layer of foam in said first location absorbs electromagnetic interference and prevents at least some of the interference from exiting said chassis.

Claim 17. (Canceled)

Claim 18. (Currently Amended)

A low radio frequency emissions network device according to claim 16, wherein said layer of foam being ~~is~~ disposed in a second location in proximity to ~~at least one of~~ said ~~electromagnetic-interference-generating~~ electromagnetic-interference-emitting network device components,

wherein said layer of foam in said second location absorbs electromagnetic interference and prevents at least some of the electromagnetic interference from exiting said chassis and prevents at least some of the electromagnetic interference from interfering with the network device.

Claim 19. (Currently Amended)

A low radio frequency emissions network device according to claim 1, wherein said network device components ~~comprising~~ comprises at least one integrated circuit emitting electromagnetic interference, wherein said layer of foam is disposed directly on top of said at least one integrated circuit.

Claim 20. (Canceled)

Claim 21. (Original)

A low radio frequency emissions network device according to claim 18, wherein said network device components ~~comprising~~ comprises at least one integrated circuit emitting electromagnetic interference, wherein said second location is directly on top of said at least one integrated circuit.

Claim 22. (Currently Amended)

A low radio frequency emissions network device according to claim 18, wherein said network device components ~~comprising~~ comprises at least one integrated circuit emitting electromagnetic interference, said at least one integrated circuit ~~including~~

comprising said heat sink, wherein said second location is directly on top of said heat sink of said at least one integrated circuit.

Claim 23. (Currently Amended)

A low electromagnetic interference emissions network device, comprising:

a chassis; having a door;

electronic components disposed within said chassis, said electronic components ~~including~~ comprising at least one integrated circuit running at a clock speed of 1-10 GHz and emitting electromagnetic interference in the range of 1-10 GHz and a heat sink; and

a layer of foam having a ~~high~~ predetermined insertion loss in the range of 1-10 GHz disposed on at least a portion of said door, substantially covering the an inner surface of said door,

wherein said layer of foam is approximately .25 inches in thickness, and

wherein at least a portion of the electromagnetic interference is absorbed by the said layer of foam and prevented from exiting the chassis, and wherein said layer of foam is disposed directly on top of said heat sink.

Claim 24. (Currently Amended)

A low electromagnetic interference emissions network device, comprising:

a network device component disposed within said network device, said network device component ~~including~~ comprising at least one integrated circuit running at a clock speed of 1-10 GHz and emitting electromagnetic interference and a heat sink; and

a layer of foam having a ~~high~~ predetermined insertion loss disposed on said network device component, substantially covering the surface of said network component,

wherein said layer of foam is approximately .25 inches in thickness, and

wherein at least a portion of the electromagnetic interference is absorbed by the said layer of foam, and wherein said foam is disposed directly on top of said heat sink.